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11031 U.S. PTO

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. NOVT 200

First Inventor

Carsten Sjoeholm

Title

USE OF ACID-STABLE PROTEASES IN ANIMAL FEED

Express Mail Label No.

EL 709 418 907 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 54]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
5. Oath or Declaration [Total Pages 2]
- a. ☒ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 17 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b)
6. ☒ Application Data Sheet See 37 CFR 1.76

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☒ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☒ paper
- c. ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Other Check for \$950.00

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76

☐ Continuation ☐ Divisional ☐ Continuation in part (CIP)

Continuation information

Examiner

Continuation information

Group Agent

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label

Correspondence address (if any)

Name

Patrea L. Pabst
Arnall Golden & Gregory, LLP

23579

Country

United States

Telephone (404) 873-8794

Fax (404) 873-8795

Name (Print Type)

Patrea L. Pabst

Registration No. (Attorney/Agent)

31.284

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

Complete if Known

Application Number
Filing Date February 8, 2001
First Named Inventor Carsten Sjoeholm
Examiner Name
Group Art Unit
Attorney Docket No. NOVT 200

TOTAL AMOUNT OF PAYMENT (\$950.00)

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to

Deposit Account Number 01-2507
Deposit Account Name Arnall Golden & Gregory, LLP

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	710.00
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$ 710.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
13	20 = 0	0	0
6	3 = 3	80.00	240.00
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	Reissue independent claims

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Partitions to the Commissioner	
123 50	123 50	Partitions related to provisional applications	
126 240	126 240	Submission of information on Disclosure Sheet	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination - RCE	

SUBTOTAL (2) (\$ 240.00)

SUBTOTAL (3)

SUBMITTED BY

Name (Print Name) Patrea L. Rabst

Registration No. 31,284

Complete if Known

Telephone (404) 873-8794

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Carsten Sjoeholm and Peter Rahbek Oestergaard

Serial No.: Express Mail Label No.: EL 709 418 907 US

Filed: February 8, 2001 Date of Deposit February 8, 2001

For: USE OF ACID-STABLE PROTEASES IN ANIMAL FEED

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

**EXPRESS MAIL TRANSMITTAL LETTER
FOR PATENT APPLICATION AND CERTIFICATE OF MAILING**

Sir:

Pursuant to 35 U.S.C. § 21(a) as amended by Public Law 97-247 and 37 C.F.R. § 1.10, applicants enclose for filing the attached patent application entitled "*Use of Acid-Stable Proteases in Animal Feed*", which claims priority to U.S.S.N. 60/183,133 filed February 17, 2000, and which claims priority to foreign application No. 2000 00200 filed in Denmark on February 8, 2000. The application includes 1 page of Abstract, 42 pages of specification, 2 pages of claims, 2 sheets of informal drawings, a 3-1/2 inch sequence listing diskette, a paper copy of the sequence listing, one executed International Form for Identification of Microorganism

Title: "Use of Acid Stable Proteases in Animal Feed"
Filed: February 8, 2001
Express Mail Transmittal Letter for
Patent Application and Certificate of Mailing
Express Mail Label No. EL 709 418 907 US
Date of Deposit: February 8, 2001

Power of Attorney or Authorization of Agent, and Assignment to F. Hoffmann-La Roche AG
will be submitted shortly.

A Preliminary Amendment is enclosed.

This application contains nucleic acid and/or protein sequences as defined in 37 C.F.R.
§§ 1.821-1.825. Pursuant to 37 C.F.R. §§ 1.821-1.825, applicants enclose a 3½" diskette
containing a computer-readable form of the Sequence Listing for the above-identified
application. A paper copy of the Sequence Listing is incorporated into the application.

I declare that the material on the diskette is identical to the paper copy of the Sequence
Listing present in the above-identified application, and that all statements made on information
and belief are believed to be true and further that these statements were made with the
knowledge that willful false statements may jeopardize the validity of the application or any
patent issuing thereon.

A check in the amount of \$950.00 to cover the filing fee is enclosed. It is believed that
\$950.00 is the proper filing fee for a large entity, as the application includes 6 independent
claims and a total of 13 claims after entry of the enclosed Preliminary Amendment.

The Commissioner is hereby authorized to charge any additional fees that may be
required, or credit any overpayment to Deposit Order Account No. 01-2507. To facilitate this

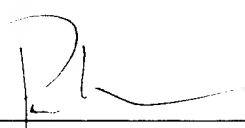
Title: "Use of Acid Stable Proteases in Animal Feed"
Filed: February 8, 2001
Express Mail Transmittal Letter for
Patent Application and Certificate of Mailing
Express Mail Label No. EL 709 418 907 U.S.
Date of Deposit: February 8, 2001

This application is being filed on February 8, 2001 by mailing the application to the Assistant Commissioner for Patents, Washington, D.C. 20231 via the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10. The Express Mail label number appears in the heading of this paper which is attached to the application papers pursuant to 37 C.F.R. § 1.10(b).

All correspondence concerning this application should be mailed to:

Patrea L. Pabst, Esq.
ARNALL GOLDEN & GREGORY, LLP
2800 One Atlantic Center
1201 West Peachtree Street
Atlanta, Georgia 30309-3450

Respectfully submitted.



Patrea L. Pabst
Reg. No. 31,284

Date: February 8, 2001

ARNALL GOLDEN & GREGORY, LLP
2800 One Atlantic Center
1201 West Peachtree Street
Atlanta, Georgia 30309-3450
(404) 873-8794

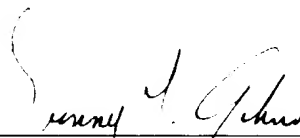
(404) 873-8795 (FAX)

Title: "Use of Acid-Stable Proteases in Animal Feed"
Filed: February 8, 2001
Express Mail Transmittal Letter for
Patent Application and Certificate of Mailing
Express Mail Label No. EL 709 418 907 US
Date of Deposit: February 8, 2001

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this Express Mail Transmittal Letter for Patent Application and Certificate of Mailing and any documents referred to as attached therein are being deposited with the United States Postal Service on this date, February 8, 2001, in an envelope as "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, mailing label number EL 709 418 907 US, addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: February 8, 2001



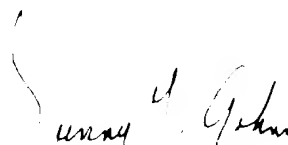
Sunny G. Johns

Title: "Use of Acid Stable Proteases in Animal Feed"
Filed: February 8, 2001
Preliminary Amendment
Express Mail Label No. EL 709 418 907 US
Date of Deposit: February 8, 2001

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this Preliminary Amendment and any documents referred to as attached therein are being deposited with the United States Postal Service on this date, February 8, 2001, in an envelope as "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, mailing label number EL 709 418 907 US, addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: February 8, 2001



Sunny G. Johns